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APPLICANT: Paulo S. Tubel et al.

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Group Art Unit: 3672

SERIAL NO.: 10/674,248

Examiner: Tsay, Frank

FILED: September 29, 2003

TITLE: "Wellbores Utilizing Fiber Optic-  
Based Sensors and Operating  
Devices"

Confirmation No.: 3193

Atty. Docket No.: 014-12049-D3

**AUG 15 2005****SUBSTITUTE RESPONSE TO OFFICE ACTION OF APRIL 13, 2005**

This is a substitute response to the office action of April 13, 2005. Please disregard the response filed on July 13, 2005. Please amend the application as indicated below.

Reconsideration of the application as amended is respectfully requested. Amendments to the claims start on page 2 of this document. Remarks start on page 10 of this document.